

Patent Abstracts of Japan

EXPRESS MAIL NO. EV336616251US

PUBLICATION NUMBER : 58012025
 PUBLICATION DATE : 24-01-83

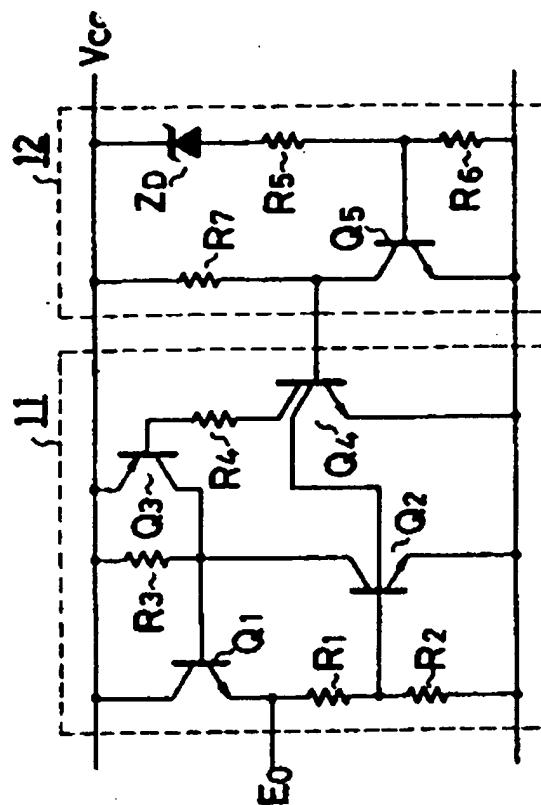
APPLICATION DATE : 15-07-81
 APPLICATION NUMBER : 56110208

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INT.CL. : G05F 1/56

TITLE : POWER SUPPLY CIRCUIT



ABSTRACT : PURPOSE: To improve the efficiency of power supply at low voltage, by controlling forward and reverse bias to a power supply circuit at high and low voltages respectively and setting the respective output states.

CONSTITUTION: When a power supply potential V_{cc} is low and a Zener diode ZD is nonconductive, a transistor (TR)Q₅ is turned off, a TRQ₄ turns on and the base of TRs Q₂ and Q₃ is grounded. Thus, the TRQ₂ is turned off and the TRQ₃ is turned on, and a current supplied from a power supply circuit can be controlled with a resistor R₄. When the power supply V_{cc} is high and the diode ZD is conductive, the TRQ₃ is turned off and the base current to the TRQ₁ is supplied from the power supply V_{cc} via a resistor R₂.

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